Figure 1 System Architecture

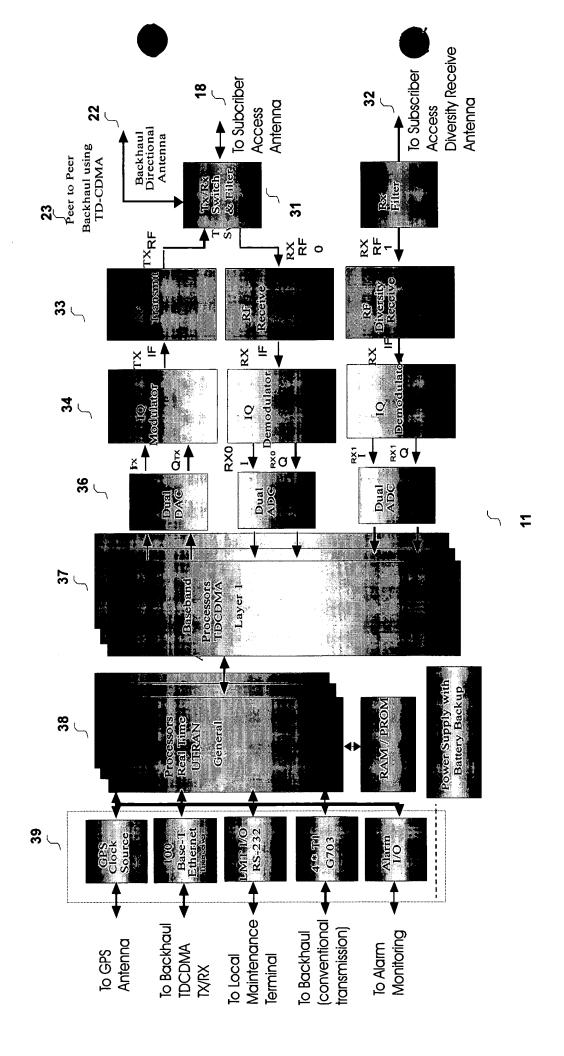


Figure 2 Basestation (NodeB)

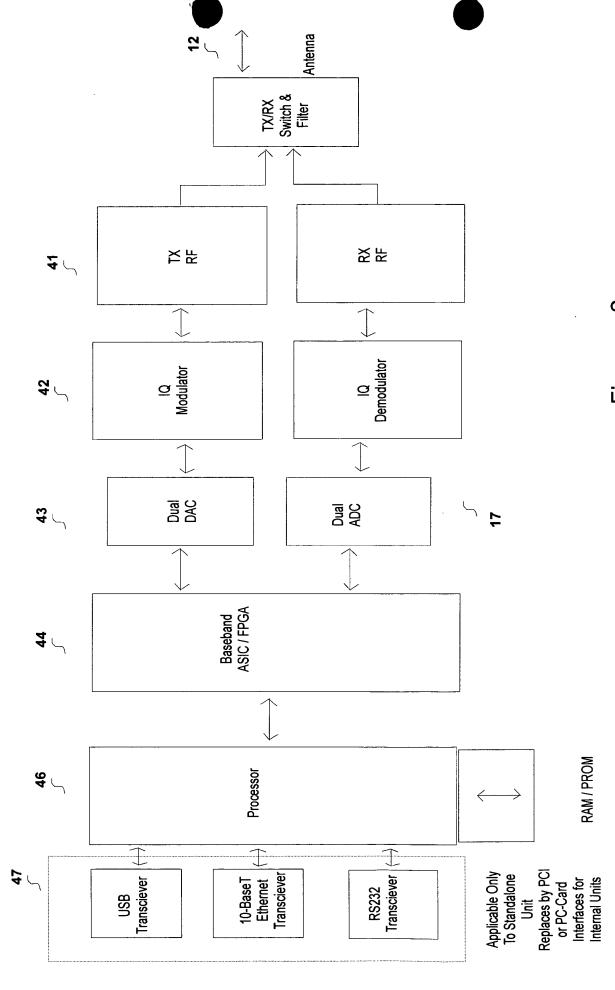
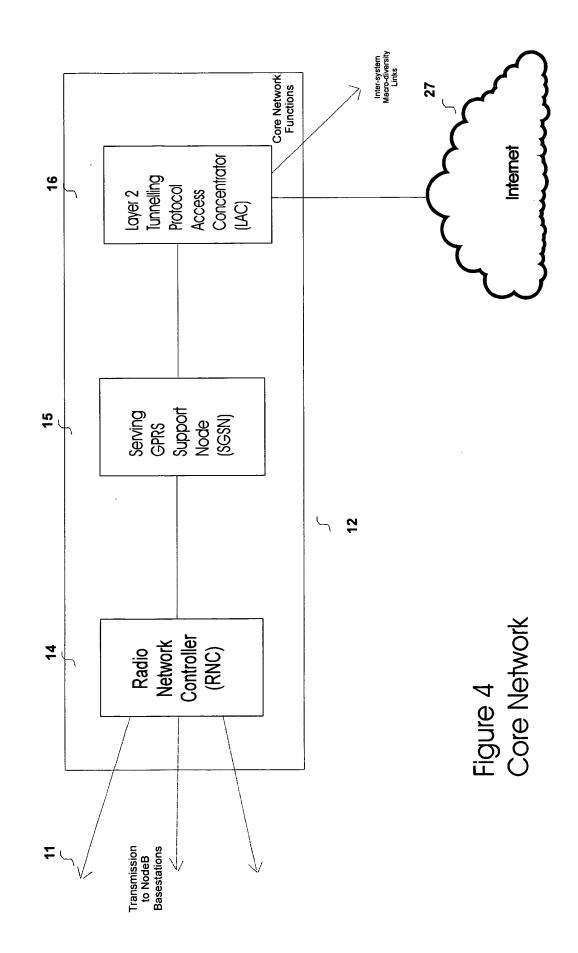


Figure 3 User Equipment (UE)



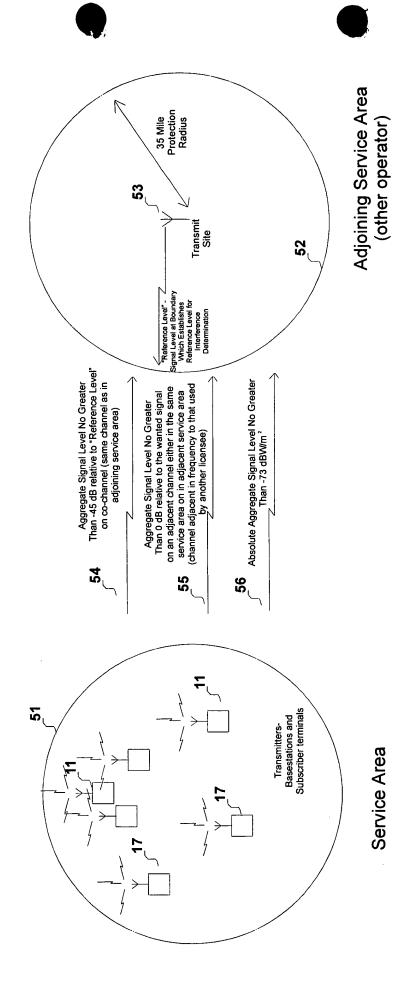


Figure 5 FCC Interference Rules

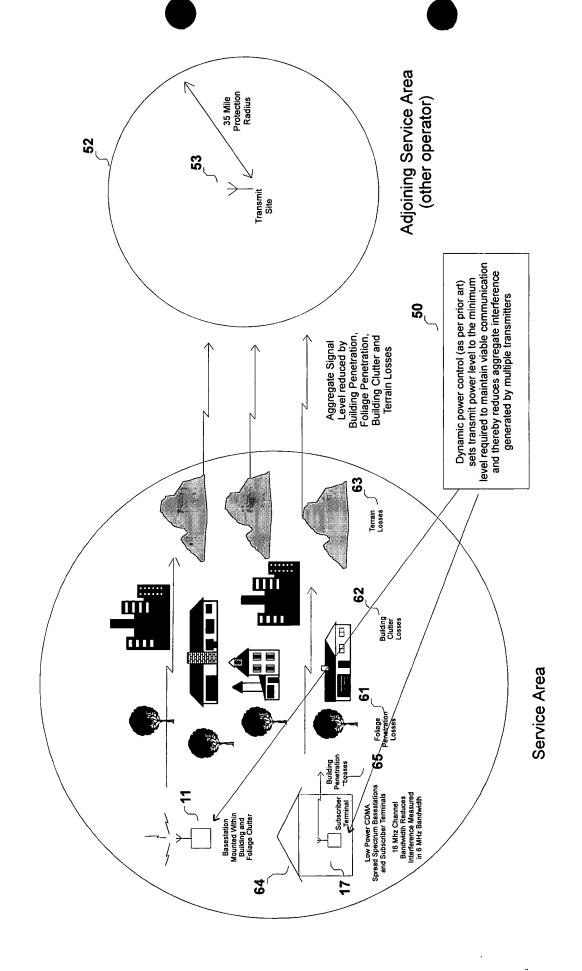
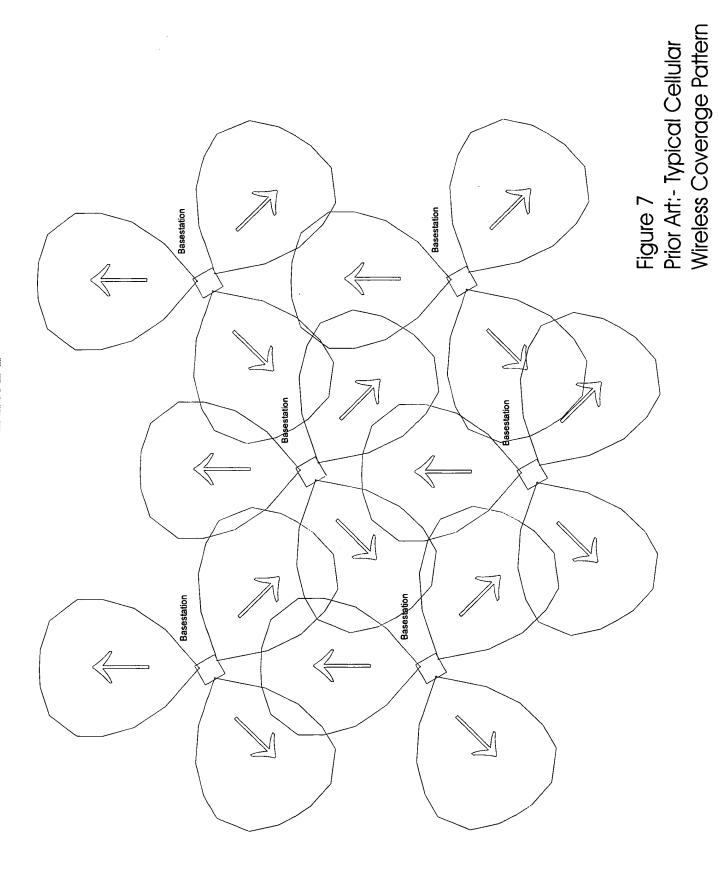
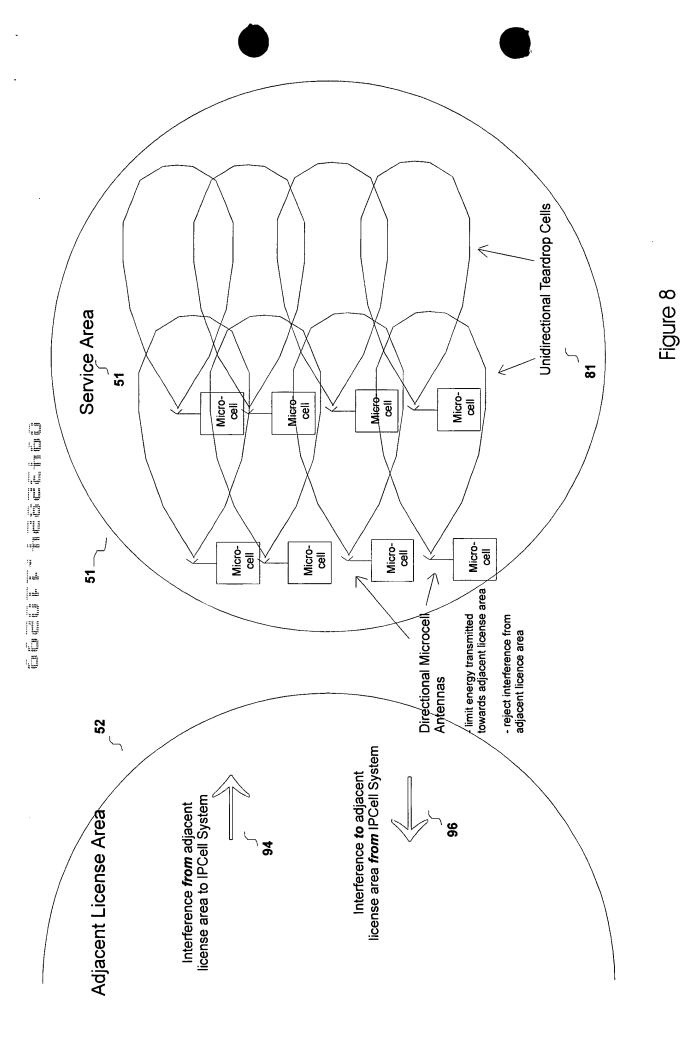


Figure 6 Interference Avoidance





Inguie o Interference Reduction -Unidirectional Teardrop Cellular Wireless Coverage Pattern

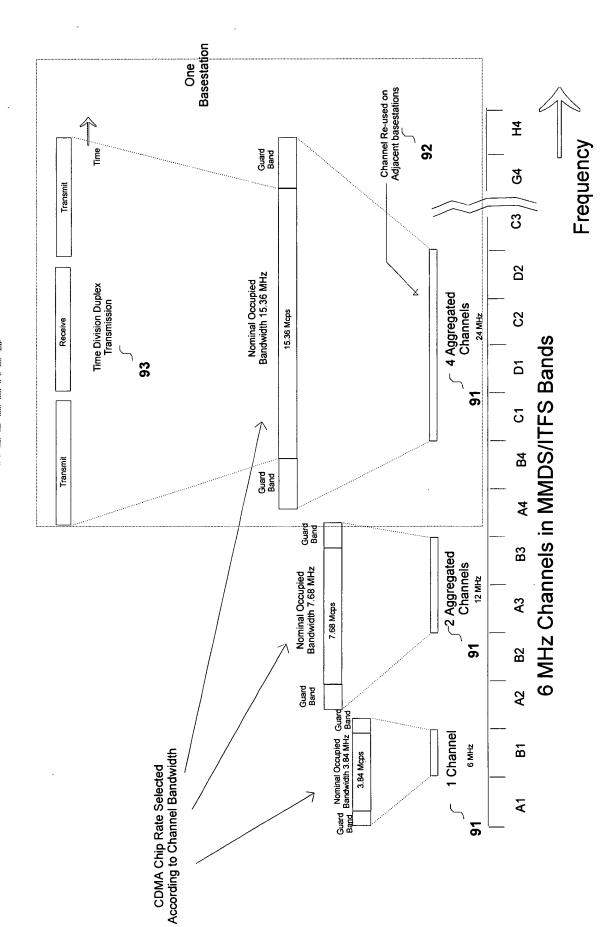


Figure 9 RF Channel Utilization

Each code used is orthogonal to other codes (these are mutually non-interfering codes when combined (summed)for example:

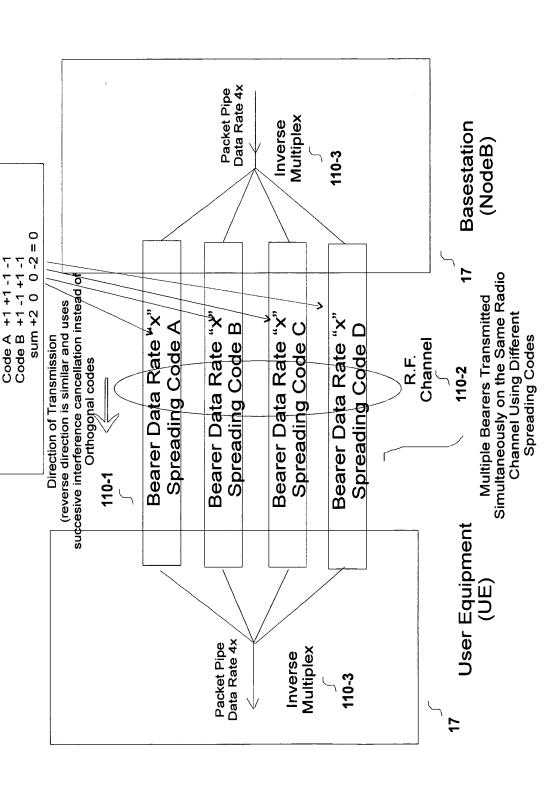


Figure 10 Multiple Bearer Transmission

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Figure 11 CDMA Backhaul Transmission

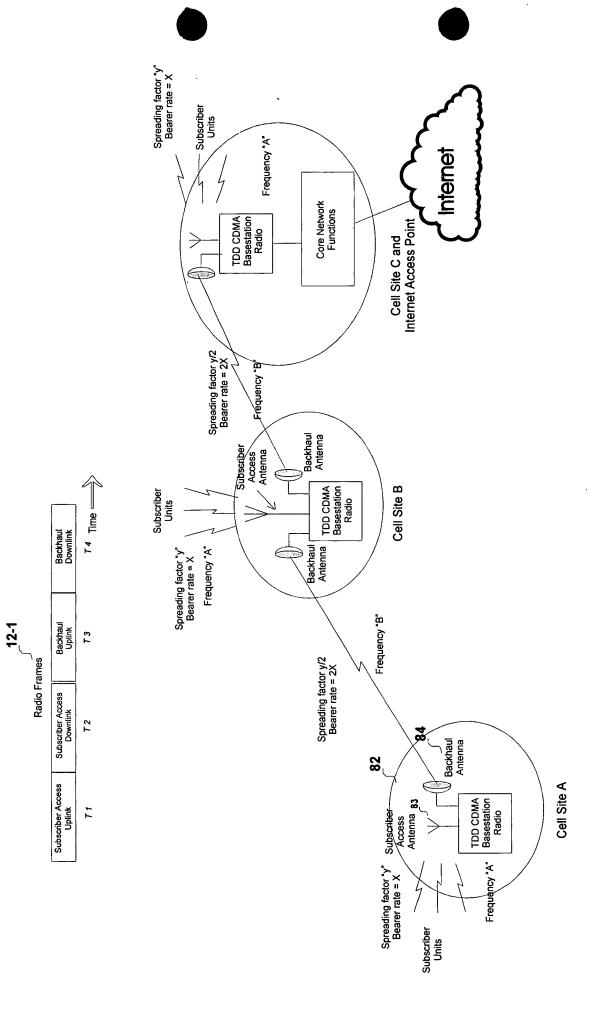


Figure 12 Peer to Peer Backhaul Routing

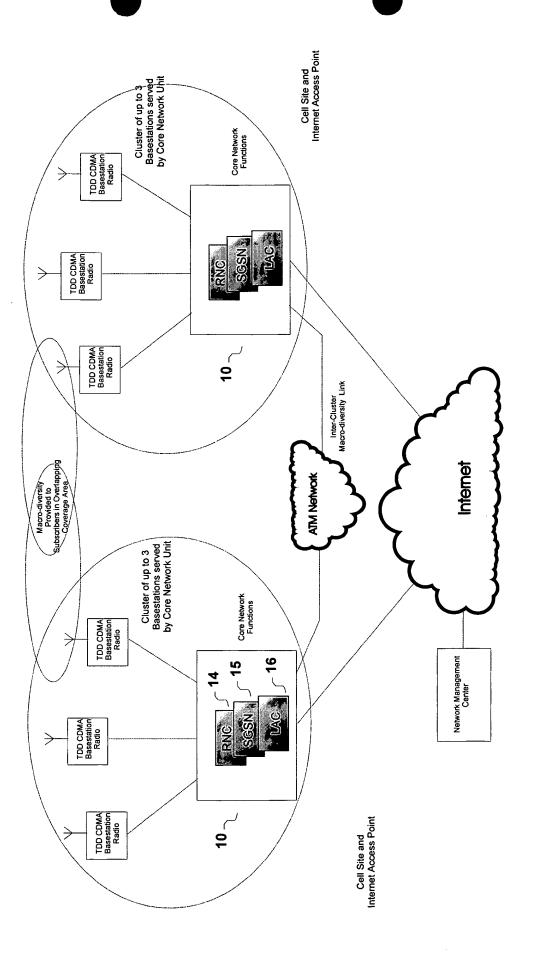


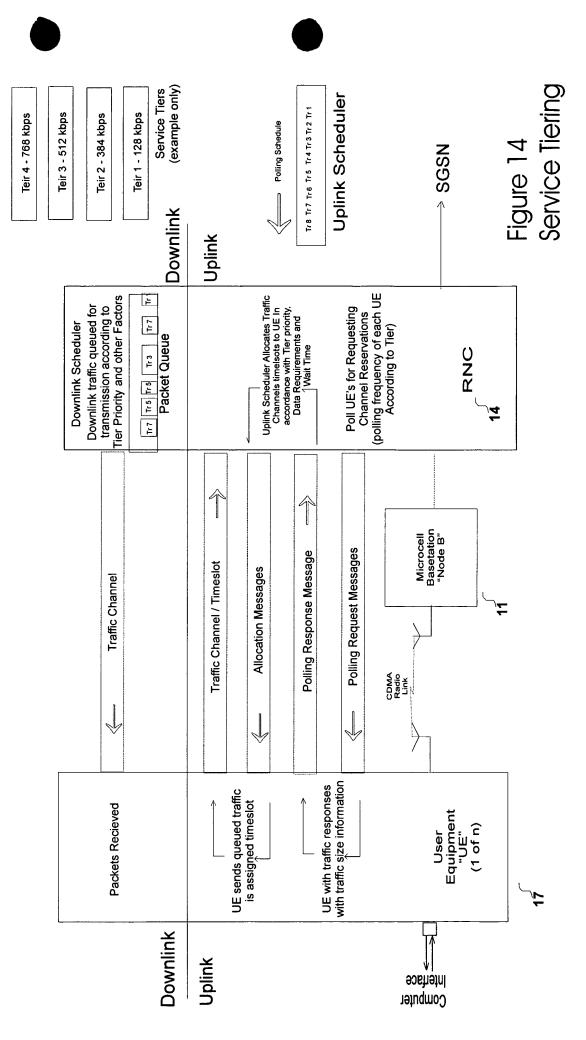
Figure 13 Distributed Core Network Functions

Teir 5 - 1024 kbps

Teir 6 - 1536 kbps

Teir 7 - 1536 kbps

Teir 8 - Reserved



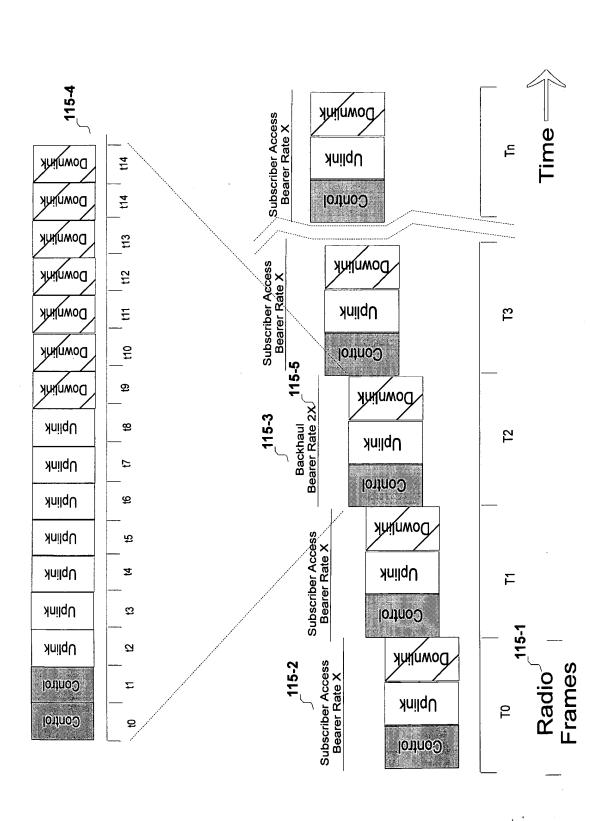
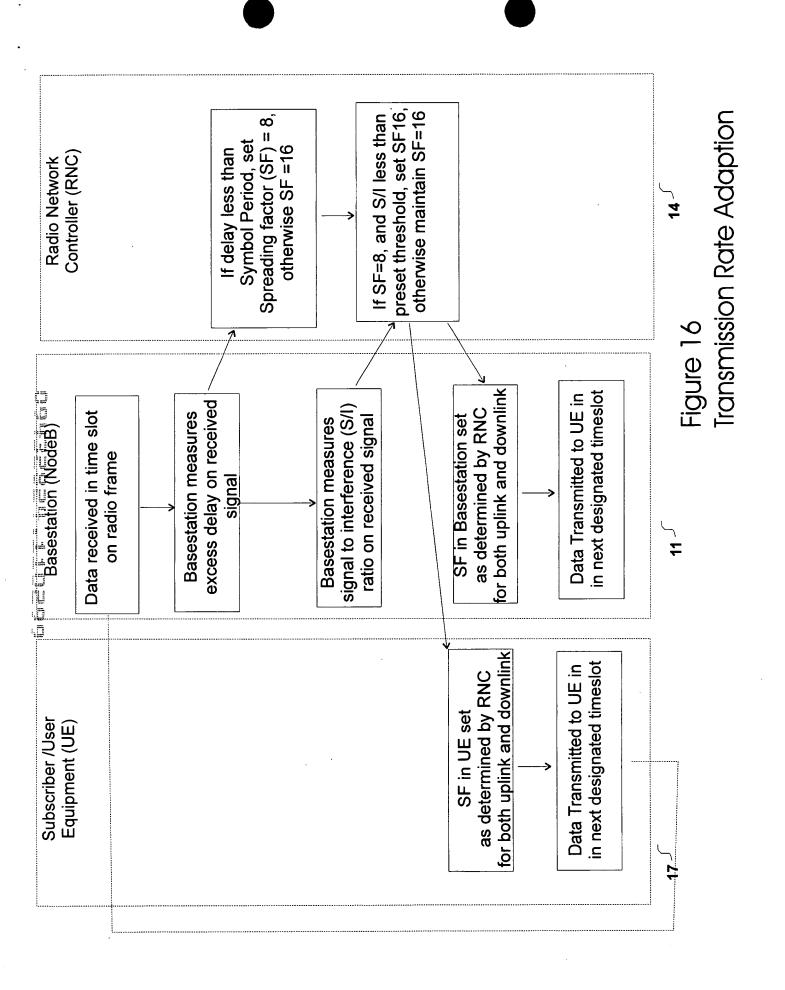
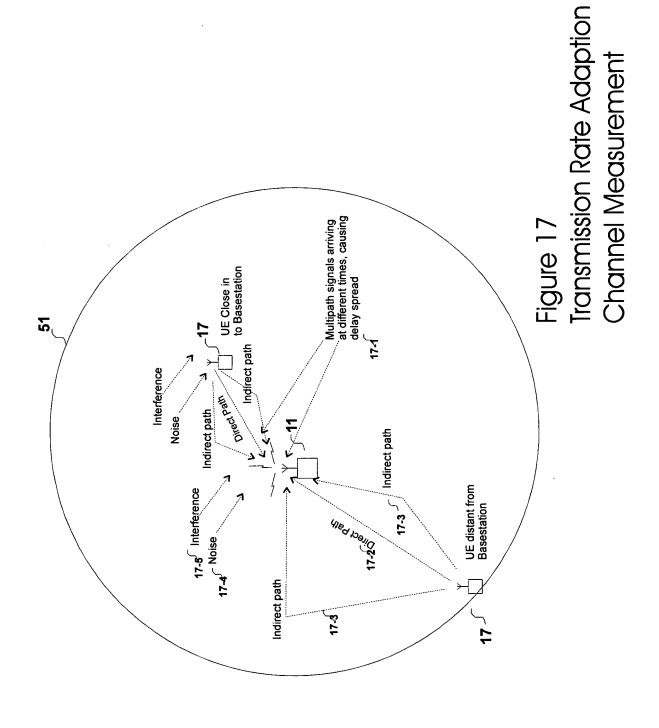


Figure 15 Enhanced Time-Division-Duplex





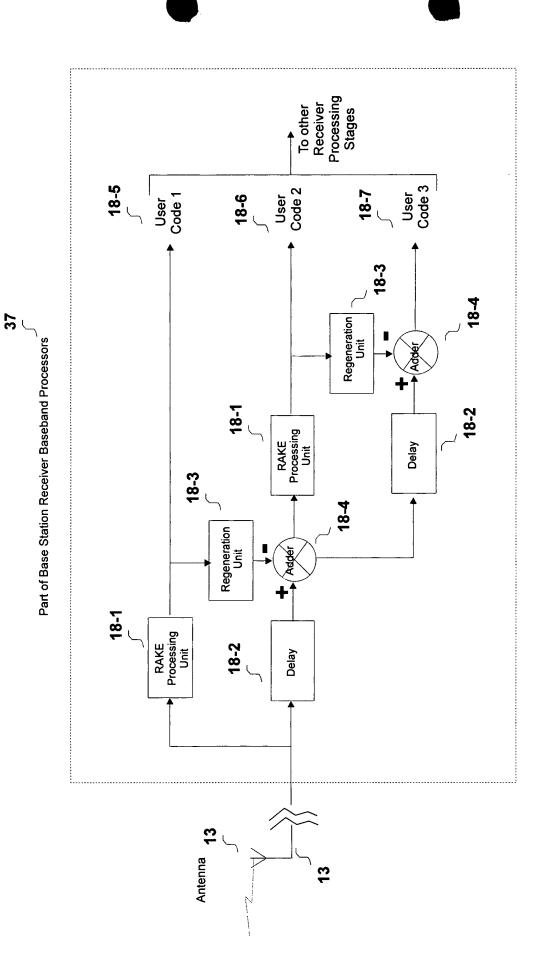


Figure 18 - Successive Interference Cancellation